

TRANSMISSION MEDIUM CONNECTION DEVICE AND STORAGE MEDIUM

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- international: *H04L12/40*; H04L12/40; (IPC1-7): H04L12/40

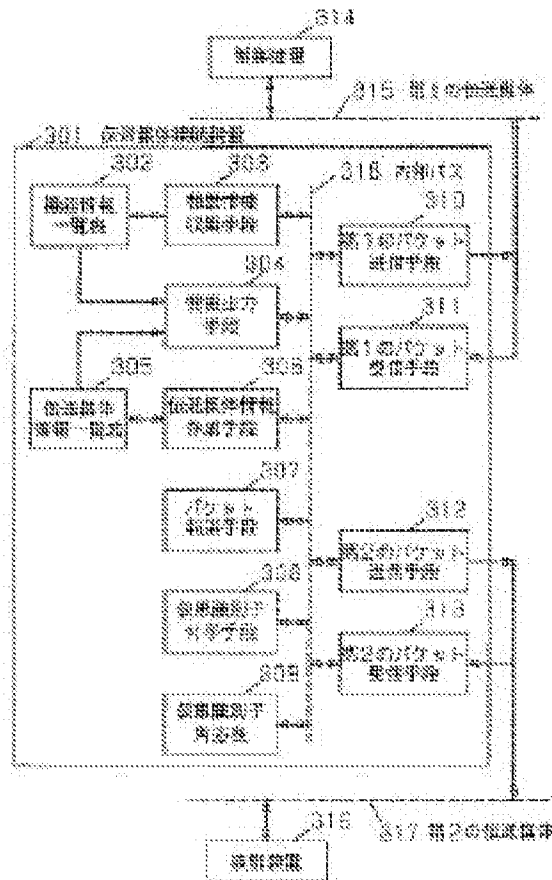
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Abstract of **JP 11055297** (A)

PROBLEM TO BE SOLVED: To suppress inquiries to respective units to the minimum, to efficiently use transmission mediums and to eliminate regulation on a used packet and transmission speed by collecting unit information where a transmission medium connection device is connected to the transmission mediums. **SOLUTION:** When the controller 314 of the first transmission medium 315 controls the controller 316 of the second transmission medium 317, a unit information collection means 303 analyzes an ID packet which the connected nodes transmit and generates a unit information list 302 based on prescribed information on transmission speed and the size of the maximum packet. A transmission medium information generation means 306 calculates the number of nodes and a transmission delay parameter and generates a transmission medium information list 305. A virtual identifier bestowal means 308 writes an allocation virtual identifier and node NO into a virtual identifier corresponding table 309 and makes a response out the content of information by access from the respective nodes. For transferring the packet to the device to be controlled 316, a processing is made efficient by the lists.



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